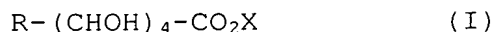


IN THE CLAIMS

1. (currently amended) An oxidizing composition for dyeing, bleaching or permanently reshaping keratin fibres, comprising:

- a) at least one oxidizing agent, and
- b) at least one compound corresponding to the general of formula (I) ~~below:~~



~~in which~~ wherein:

- R ~~represents is~~ a group CH_2OH or CO_2X group, and
- X ~~represents is~~ a hydrogen atom or a monovalent or divalent cation ~~derived~~ chosen from an alkali metal, ~~from an~~ alkaline-earth metal, ~~from a~~ transition metal ~~or,~~ from an organic amine, or an ammonium cation;

~~With the proviso that, when R represents is~~ a CH_2OH group, the ~~said~~ compound of formula (I) is other than gluconic acid ~~and/or the~~ salts thereof.

2. (currently amended) ~~The composition according to of~~ claim 1, in which wherein the ~~said~~ monovalent or divalent metal cation is ~~chosen from the group consisting of a~~ monovalent alkali metal cations, a divalent alkaline-earth metal cations, a divalent transition metal cations ~~and/or~~ a monovalent cations ~~derived~~ chosen from an organic amines or ~~from an~~ ammonium cation.

3. (currently amended) ~~The composition according to either of claims 1 and 2, in which the~~ wherein said compound(s) of formula (I) is(are) ~~chosen from the group consisting of~~ mannonic acid, altronic acid, idonic acid, galactonic acid, talonic acid, gulonic acid ~~and/or~~ allonic acid.

4. (currently amended) ~~The composition according to of~~ claim 1, in which wherein, for the ~~compound of formula (I),~~ R ~~represents is~~ a group CO_2X group.

5. (currently amended) ~~The composition according to of~~ claim 4, in which wherein the ~~said~~ compound(s) of formula (I)

~~is(are) chosen from the group consisting of~~ mucic acid, glucaric acid, mannaric acid, altaric acid, idaric acid, talaric acid, gularic acid ~~and/or~~ allaric acid, ~~an~~the alkali metal salts thereof, ~~an~~the alkaline-earth metal salts thereof, ~~a~~the transition metal salts thereof, ~~an~~the organic amine salts thereof ~~or and the an~~ ammonium salts thereof, ~~and/or~~ a mixtures thereof.

6. (currently amended) ~~The cComposition according to of~~ cClaim 5, ~~in which/wherein the said~~ compound of formula (I) is mucic acid.

7. (currently amended) ~~The cComposition according to any one of the preceding claims 1, in which/wherein the said~~ compound(s) of formula (I) ~~represent(s)~~is present in an amount of from 0.001% to 10% by weight relative to the total weight of the oxidizing composition.

8. (currently amended) ~~The cComposition according to any one of the preceding claims 7, in which/wherein the said~~ compound(s) of formula (I) ~~represent(s)~~is present in an amount of from 0.001% to 5% by weight relative to the total weight of the oxidizing composition.

9. (currently amended) ~~The cComposition according to any one of the preceding claims 1, in which/wherein the oxidizing composition comprises one or more said~~ oxidizing agents ~~chosen from the group consisting of~~is hydrogen peroxide, urea peroxide, alkali metal bromates, or persalt.s such as perberates, percarbonates and persulphates, and peracids.

10. (currently amended) ~~The cComposition according to any one of the preceding claims 1, in which/wherein the said~~ oxidizing agent(s) ~~represent(s)~~is present in an amount of from 0.1% to 30% by weight relative to the total weight of the oxidizing composition.

11. (currently amended) ~~The cComposition according to any one of the preceding claims 10, in which/wherein the said~~

oxidizing agent(s) ~~represent(s)~~ is present in an amount from 0.5% to 20% by weight relative to the total weight of the oxidizing composition.

12. (currently amended) ~~The cComposition according to any one of the preceding claims 1, also comprising one or more~~ further comprising a cationic or amphoteric conditioning polymers, in proportions of from 0.01% to 10% by weight and preferably from 0.05% to 5% by weight relative to the total weight of said composition.

13. (currently amended) ~~The cComposition according to any one of the preceding claims 1, also~~ further comprising an amphiphilic polymer which is ~~one or more nonionic, anionic, cationic, or amphoteric amphiphilic polymers, wherein said amphiphilic polymer comprises a hydrophobic chain, in proportions of from 0.05% to 20% by weight and preferably from 0.1% to 10% by weight relative to the total weight of said composition.~~

14. (currently amended) ~~The cComposition according to any one of the preceding claims 1, also~~ further comprising a ~~one or more surfactants, in proportions of from 0.01% to 40% by weight and preferably from 0.1% to 30% by weight relative to the total weight of said composition.~~

15. (currently amended) ~~The cComposition according to any one of the preceding claims 1, also~~ further comprising one or more ~~a rheology modifiers other than the nonionic, anionic, cationic or amphoteric amphiphilic polymers, comprising a hydrophobic chain of claim 13, in proportions of from 0.05% to 20% by weight and preferably from 0.1% to 10% by weight relative to the total weight of said composition.~~

16. (currently amended) ~~The cComposition according to any one of the preceding claims 1, also~~ further comprising a ~~one or more acidifying or basifying agents, in proportions of from~~

~~0.01% to 30% by weight relative to the total weight of said composition.~~

17. (currently amended) ~~The cComposition according to any one of the preceding claims 1, also further comprising one or morea solvents chosen from the group consisting of water and mixtures composed of water and of one or more cosmetically acceptable organic solvents, this or these solvent(s) representing from 0.5% to 20% by weight and preferably from 2% to 10% by weight relative to the total weight of said composition.~~

18. (currently amended) ~~The cComposition according to any one of the preceding claims 1, alsofurther comprising anone or more adjuvants chosen from the group consisting of a mineral or organic fillers, binders, lubricants, antifoams, silicones, dyes, matting agents, preserving agents andor fragrances.~~

19. (currently amended) ~~The cComposition according to any one of the preceding claims 1, said composition being intended for bleaching or permanently reshaping human wherein said keratin fibres and preferably the is hair.~~

20. (currently amended) ~~A Proecess method offer bleaching or permanently reshaping keratin fibres, suecessively comprising the steps consisting inof:~~

a) ~~applying to the said keratin fibres ansaid oxidizing composition as defined in any one of cClaims 1 to 19;~~

b) ~~leaving thesaid oxidizing composition to stand on thesaid keratin fibres for a sufficient time that is sufficient to obtain the desired bleaching or permanent reshaping;~~

c) ~~rinsing thesaid keratin fibres to remove thesaid oxidizing composition therefrom.~~

d) ~~optionally washing the keratin fibres one or more times, rinsing them after each wash, and optionally drying them;~~

~~said process also comprising, before step a), in the case of a permanent reshaping, the steps consisting in:~~

~~—i) applying a reducing composition to the keratin fibres, said keratin fibres being placed under mechanical tension before, during or after said application;~~

~~—ii) leaving the reducing composition to stand on the keratin fibres for a time that is sufficient to obtain the desired reshaping; and~~

~~—iii) optionally rinsing the keratin fibres with water to remove the reducing composition therefrom.~~

21. (currently amended) A method of Process for dyeing keratin fibres, successively comprising the steps consisting inof:

ea) applying a dye composition to these said keratin fibres;

fb) applying said oxidizing composition of claim 1 to said keratin fibres to developdeveloping the colour of said composition by applying to the fibres an oxidizing composition as defined in any one of Claims 1 to 19;

cg) leaving thesaid oxidizing composition to stand on thesaid keratin fibres for a sufficient time that is sufficient to obtain the desired coloration;

hd) rinsing the keratin fibres with water to remove thesaid dye composition and thesaid oxidizing composition therefrom.

22. (currently amended) A method of Process for dyeing keratin fibres, successively comprising the steps consisting inof:

ia) mixing a dye composition and the oxidizing composition of claim 1 to create a mixture;

b) applying said mixture to these said keratin fibres; a composition obtained by extemporaneous mixing, before application, of a dye composition and of an oxidizing composition as defined in any one of Claims 1 to 19;

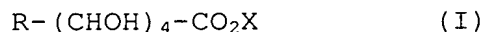
j_c) leaving ~~the composition~~said mixture to ~~tand on the~~
said keratin fibres for a sufficient time ~~that is sufficient to~~
obtain the desired coloration;

*d) rinsing ~~the said~~ keratin fibres with water to remove
~~the composition~~said mixture therefrom.

23. (currently amended) ~~A Device or "kit"~~ for dyeing
keratin fibres, comprising: at least two compositions A and B
intended to be mixed together to obtain a ready-to-use dye
composition,

wherein ~~the said composition A being the~~ is an oxidizing
composition and ~~the said composition B being is~~ a composition
comprising at least one dye, ~~said device being characterized in~~
~~that the~~

wherein said composition A contains at least one or more
compounds corresponding to the general of formula (I) below:



in which:

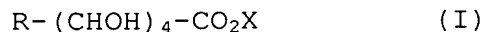
- ~~R represents is a group~~ CH₂OH or CO₂X group, and
- ~~X represents is a~~ hydrogen atom or a monovalent or
divalent cation derived chosen from an alkali metal, ~~from an~~
~~alkaline-earth metal, from a transition metal or, from an~~
organic amine, or an ammonium cation;

- ~~with the proviso that, when R represents is a~~ CH₂OH
group, the said compound of formula (I) is other than gluconic
acid and or the salts thereof.

24. (currently amended) ~~A Device or "kit"~~ for bleaching
keratin fibres, comprising: at least two compositions C and D
intended to be mixed together to obtain a ready-to-use oxidizing
composition, wherein;

a) ~~said device being characterized in that said~~ at least
one of the said compositions C and D contains one or more an
oxidizing agents, and

b) at least one of said compositions C and D contains one or more compounds corresponding to the general of formula (I) below:



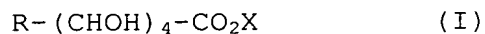
~~in which~~wherein:

- ~~R represents~~ is a group CH_2OH or CO_2X group, and
- ~~X represents~~ is a hydrogen atom or a monovalent or divalent cation ~~derived~~ chosen from an alkali metal, ~~from~~ an alkaline-earth metal, ~~from~~ a transition metal, ~~or~~ from an organic amine, or an ammonium cation;

• ~~with the proviso that, when R represents~~ is CH_2OH , the said compound (I) of formula (I) is other than gluconic acid and/or a the salts thereof.

25. (currently amended) ~~A Device or "kit"~~ for permanently reshaping keratin fibres, comprising: at least two compositions E and F, wherein

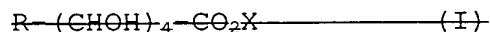
a) said composition E being is an oxidizing composition comprising an oxidizing agent and a compound of formula (I):



wherein:

- R is a CH_2OH or CH_2X group, and;
- X is a hydrogen atom or a monovalent or divalent cation chosen from an alkali metal, an alkaline-earth metal, a transition metal or an organic amine, or an ammonium cation;
- with the proviso that, when R is CH_2OH , said compound of formula (I) is other than gluconic acid or a salt thereof, and

b) said composition F being is a reducing composition, ~~said device being characterized in that composition E contains one or more oxidizing agents and at least one or more compounds corresponding to the general formula (I) below:~~



~~in which:~~

~~R represents a group CH_2OH or CH_2X , and;~~

~~□X represents a hydrogen atom or a monovalent or divalent cation derived from an alkali metal, from an alkaline earth metal, from a transition metal or from an organic amine, or an ammonium cation;~~

~~• with the proviso that, when R represents CH_2OH , the compound (I) is other than gluconic acid and the salts thereof.~~

26. (canceled)

27. (new) The composition of claim 9, wherein said persalt is perborate, percarbonate, persulphate, or peracid.

28. (new) The composition of claim 12, wherein said cationic or amphoteric conditioning polymer is present in an amount of from 0.01% to 10% by weight relative to the total weight of said composition.

29. (new) The composition of claim 28, wherein said cationic or amphoteric conditioning polymer is present in an amount of from 0.05% to 5% by weight relative to the total weight of said composition.

30. (new) The composition of claim 13, wherein said amphiphilic polymer is present in an amount of from 0.05% to 20% by weight relative to the total weight of said composition.

31. (new) The composition of claim 30, wherein said amphiphilic polymer is present in an amount of from 0.1% to 10% by weight relative to the total weight of said composition.

32. (new) The composition of claim 14, wherein said surfactant is present in an amount of from 0.01% to 40% by weight relative to the total weight of said composition.

33. (new) The composition of claim 32, wherein said surfactant is present in an amount of from 0.1% to 30% by weight relative to the total weight of said composition.

34. (new) The composition of claim 15, wherein said rheology modifier is present in an amount of from 0.05% to 20% by weight relative to the total weight of said composition.

35. (new) The composition of claim 34, wherein said rheology modifier is present in an amount of from 0.1% to 10% by weight relative to the total weight of said composition.

36. (new) The composition of claim 16, wherein said acidifying or basifying agent is present in an amount of from 0.01% to 30% by weight relative to the total weight of said composition.

37. (new) The composition of claim 17, wherein said solvent is water or a mixture composed of water and a cosmetically acceptable organic solvent.

38. (new) The composition of claim 17, wherein said solvent present in an amount of from 0.5% to 20% by weight relative to the total weight of said composition.

39. (new) The composition of claim 38, wherein said solvent is present in an amount of from 2% to 10 % by weight relative to the total weight of said composition.

40. (new) The composition of claim 1, further comprising a compound selected from a group consisting of:

- a) a cationic or amphoteric conditioning polymer
- b) an amphiphilic polymer which is non-ionic, anionic or cationic, wherein said amphiphilic polymer comprises a hydrophobic chain
- c) a surfactant
- d) a rheology modifier other than the amphiphilic polymer of (b)
- e) a pH modifier, and
- f) a solvent.

41. (new) The method of claim 20, further comprising the step of: washing said keratin fibres one or more times, rinsing them after each wash.

42. (new) The method of claim 41, further comprising the step of: drying said keratin fibres.

43. (new) A method of permanently reshaping keratin fibres, comprising the steps of:

a) applying to said keratin fibres a reducing composition;

b) leaving said reducing composition on said keratin fibres for a sufficient time to obtain the desired permanent reshaping;

c) rinsing said keratin fibres to remove said reducing composition therefrom;

d) applying the oxidizing composition of claim 1 on said keratin fibres for a sufficient time that is sufficient to obtain said desired reshaping;

e) rinsing said keratin fibres with water to remove said oxidizing composition therefrom.

44. (new) The method of claim 43, further comprising the step of: washing said keratin fibres one or more times, rinsing them after each wash.

45. (new) The method of claim 44, further comprising the step of: drying said keratin fibres.